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NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPLUS enhanced with utility model patents from China
NEWS	6	JUL 16	CAPLUS enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPLUS patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPLUS coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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=> file caplus

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FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 08:37:38 ON 30 NOV 2007

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FILE COVERS 1907 - 30 Nov 2007 VOL 147 ISS 24

FILE LAST UPDATED: 29 Nov 2007 (20071129/ED)

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<http://www.cas.org/infopolicy.html>

=> e tamerlani g/au

E1	10	TAMERIUS JOHN D/AU
E2	1	TAMERIUS RITA K/AU
E3	0 -->	TAMERLANI G/AU
E4	11	TAMERLANI GIANCARLO/AU
E5	1	TAMERLE M/AU
E6	7	TAMERLER C/AU
E7	38	TAMERLER CANDAN/AU
E8	1	TAMERLER CANDAN B/AU
E9	1	TAMERLER YILDIR C/AU
E10	1	TAMEROGLU O/AU
E11	21	TAMERS M A/AU
E12	2	TAMERS MURRAY A/AU

=> s e4

L1 11 "TAMERLANI GIANCARLO"/AU

=> e bartalucci d/au

E1	1	BARTALSKY KAROL ING CS/AU
E2	1	BARTALUCCI A/AU
E3	0 -->	BARTALUCCI D/AU
E4	3	BARTALUCCI DEBORA/AU
E5	4	BARTALUCCI GIUDITTA/AU
E6	7	BARTALUCCI MORENO/AU
E7	2	BARTALUCCI PIERO/AU
E8	66	BARTALUCCI S/AU
E9	1	BARTALUCCI SERGIO/AU
E10	1	BARTAM ULRIKE/AU
E11	1	BARTAMIAN MIRAY/AU
E12	1	BARTAN A O/AU

=> s e4

L2 3 "BARTALUCCI DEBORA"/AU

=> e salsini l/au

E1	1	SALSINI G/AU
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E3	0 -->	SALSINI L/AU
E4	8	SALSINI LIANA/AU
E5	1	SALSITZ EDWIN A/AU
E6	1	SALSKA NAVARRO MARTA/AU
E7	1	SALSKI A/AU
E8	1	SALSKI B/AU
E9	1	SALSKI BARTLOMIEJ/AU
E10	1	SALSKI C/AU
E11	1	SALSKI CHARIS/AU
E12	2	SALSKI CHRIS/AU

=> s e4

L3 8 "SALSINI LIANA"/AU

=> e rapaccini s/au

E1	2	RAPACCINI M B/AU
E2	1	RAPACCINI MARIO/AU
E3	0 -->	RAPACCINI S/AU
E4	1	RAPACCINI S M/AU
E5	3	RAPACCINI SILVIA/AU
E6	1	RAPACCIOLI MARCO/AU
E7	1	RAPACCIULO M/AU
E8	4	RAPACCIUOLO A/AU
E9	17	RAPACCIUOLO ANTONIO/AU
E10	6	RAPACCIUOLO M/AU
E11	2	RAPACCIUOLO M T/AU
E12	1	RAPACCIUOLO MARIA T/AU

=> s e3-e5

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	3	"RAPACCINI SILVIA"/AU
L4	4	("RAPACCINI S"/AU OR "RAPACCINI S M"/AU OR "RAPACCINI SILVIA"/AU)

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(FILE 'HOME' ENTERED AT 08:37:29 ON 30 NOV 2007)

FILE 'CAPLUS' ENTERED AT 08:37:38 ON 30 NOV 2007

E TAMERLANI G/AU
L1 11 S E4
E BARTALUCCI D/AU
L2 3 S E4
E SALSINI L/AU
L3 8 S E4
E RAPACCINI S/AU
L4 4 S E3-E5

=> dup remove 11-14

PROCESSING COMPLETED FOR L1

PROCESSING COMPLETED FOR L2

PROCESSING COMPLETED FOR L3

PROCESSING COMPLETED FOR L4

L5 21 DUP REMOVE L1-L4 (5 DUPLICATES REMOVED)

=> d 15 1-21 ibib abs

L5 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2005:429422 CAPLUS

DOCUMENT NUMBER: 142:463961

TITLE: Process for the preparation of 1-chloro-3,5-di-O-acyl-
2-deoxy-L-ribofuranoside derivatives from
2-deoxy-D-galactose via stereoselective chlorination
reaction

INVENTOR(S): Tamerlani, Giancarlo; Bartalucci, Debora;
Salsini, Liana; Rapaccini, Silvia

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

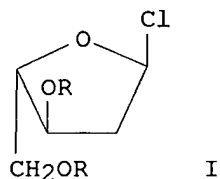
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005044832	A1	20050519	WO 2004-EP52900	20041110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2545437	A1	20050519	CA 2004-2545437	20041110
EP 1699805	A1	20060913	EP 2004-818161	20041110

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
 CN 1878782 A 20061213 CN 2004-80033026 20041110
 JP 2007510696 T 20070426 JP 2006-538856 20041110
 US 2007083041 A1 20070412 US 2006-578800 20060509
 PRIORITY APPLN. INFO.: IT 2003-FI288 A 20031110
 WO 2004-EP52900 W 20041110
 OTHER SOURCE(S): CASREACT 142:463961; MARPAT 142:463961
 GI



AB Herein described is a process for the preparation of 1-chloro-3,5-di-O-acyl-2-deoxy-L-ribofuranoside derivs. I, wherein R is acyl, useful as intermediates in processes for preparing nucleotides of the L series having antiviral activity. Thus, 1-chloro-3,5-di-O-p-chloro-benzoyl-deoxy-L-ribofuranoside was prepared from 2-deoxy-D-galactose via stereoselective chlorination reaction.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:141119 CAPLUS

DOCUMENT NUMBER: 142:225629

TITLE: Sulfated glycosaminoglycans derived from N-acetylheparosan with high antithrombotic activity in plasma

INVENTOR(S): Manoni, Marco; Salsini, Liana; Chini, Jacopo; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014656	A1	20050217	WO 2004-EP51391	20040707
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,			

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

AU 2004262584	A1	20050217	AU 2004-262584	20040707
CA 2534709	A1	20050217	CA 2004-2534709	20040707
EP 1654288	A1	20060510	EP 2004-766148	20040707
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1832966	A	20060913	CN 2004-80022307	20040707
BR 2004013346	A	20061010	BR 2004-13346	20040707
JP 2007501305	T	20070125	JP 2006-522341	20040707
US 2007042993	A1	20070222	US 2005-557584	20051115
MX 2006PA01511	A	20060515	MX 2006-PA1511	20060207
IN 2006CN00772	A	20070622	IN 2006-CN772	20060303
PRIORITY APPLN. INFO.:			IT 2003-MI1618	A 20030806
			WO 2004-EP51391	W 20040707

AB The present invention relates to a process for the preparation of sulfated glycosaminoglycans derived from N-acetylheparosan which comprises: a) N-deacetylation and N-sulfation of the N-acetylheparosan polysaccharide prepared from natural or recombinant bacterial strain, preferably K5 E. coli, b) enzymic epimerization with the glucuronyl C5-epimerase enzyme, c) partial O-sulfation followed by a partial O-desulfation, d) partial 6-O-sulfation, e) N-sulfation and an intermediate step of controlled depolymn. characterized by the fact that both O-sulfations (O-sulfation and 6O-sulfation) are partial. Furthermore the invention relates to the products obtained according to the process which show a ratio between the anti-Xa activity and anti-IIa activity equal to or higher than 1 and to compns. comprising said products in combination with suitable and pharmaceutically acceptable excipients and/or diluent.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2004:652670 CAPLUS

DOCUMENT NUMBER: 141:157383

TITLE: Process for the preparation of ribofuranose derivatives from 2-C-methyl-D-ribose-5-phosphate-1,4-lactone via regioselective benzylation and borohydride reduction as synthons for nucleotides

INVENTOR(S): Tamerlani, Giancarlo; Salsini, Liana; Lombardi, Ilaria; Bartalucci, Debora; Cipolletti, Giovanni

PATENT ASSIGNEE(S): Inalco S.P.A., Italy

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

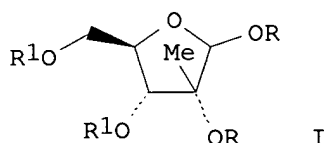
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2004158059	A1	20040812	US 2003-447167	20030527
US 6891036	B2	20050510		
WO 2004069851	A1	20040819	WO 2004-EP1151	20040209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
 BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
 MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
 GQ, GW, ML, MR, NE, SN, TD, TG
 EP 1631573 A1 20060308 EP 2004-709221 20040209
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK
 CN 1747961 A 20060315 CN 2004-80003778 20040209
 PRIORITY APPLN. INFO.: IT 2003-FI33 A 20030210
 WO 2004-EP1151 W 20040209
 OTHER SOURCE(S): CASREACT 141:157383; MARPAT 141:157383
 GI



AB The present invention relates to a new process in 3 steps of regioselective acylation of 2-C-methyl-D-ribose-1,4-lactone, borohydride reduction, and anomeric acylation for the preparation of tetra-acyl ribofuranose derivs. I, wherein R and R1 are independently acyl groups chosen between C1-C6 alkanoyl and C7-C13 aroyl groups, useful as synthons in synthesis of nucleotides. Thus, regioselective benzylation of 2-C-methyl-D-ribose-1,4-lactone with benzoyl chloride gave 3,5-di-O-benzoyl-2-C-methyl-D-ribose-1,4-lactone in 70 % yield. Reduction of 3,5-di-O-benzoyl-2-C-methyl-D-ribose-1,4-lactone with NaBH4 gave 3,5-di-O-benzoyl-2-C-methyl-D-ribofuranose in 75 % yield. Benzylation of 3,5-di-O-benzoyl-2-C-methyl-D-ribofuranose gave title 1,2,3,5-tetra-O-benzoyl-2-C-methyl-D-ribofuranose in 70% yield.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:417829 CAPLUS

DOCUMENT NUMBER: 135:180601

TITLE: 3,5-dinitrobenzoylphenylglycine analogues bearing the 1,1'-binaphthalene moiety - synthesis, conformational study, and application as chiral solvating agents

AUTHOR(S): Iuliano, Anna; Bartalucci, Debora; Uccello-Barretta, Gloria; Balzano, Federica; Salvadori, Piero

CORPORATE SOURCE: Centro di Studio del CNR per le Macromolecole Stereordinate ed Otticamente Attive, Dipartimento di Chimica e Chimica Industriale, Pisa, 56126, Italy

SOURCE: European Journal of Organic Chemistry (2001), (11), 2177-2184

CODEN: EJOCFK; ISSN: 1434-193X

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:180601

AB The two new diastereoisomeric chiral auxiliaries (aR,R)- and (aR,S)-2'-Hydroxy-1,1'-binaphthyl-2-yl {(3,5-dinitrobenzoyl)amino}(phenyl) acetate have been synthesized and their efficiency as chiral solvating agents for the determination of the enantiomeric composition of amides and amines has

been demonstrated. A conformational study of the two chiral solvating agents (CSAs) by means of NMR and CD spectroscopy is also presented.

REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:641009 CAPLUS

DOCUMENT NUMBER: 131:243537

TITLE: Indole derivatives suitable to be used as chromogenic compounds

INVENTOR(S): Zoppetti, Giorgio; Oreste, Pasqua; Cipolletti, Giovanni; Tamerlani, Giancarlo

PATENT ASSIGNEE(S): Inalco S.p.A., Italy

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950438	A2	19991007	WO 1999-EP2174	19990330
WO 9950438	A3	19991125		
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
IT 1298965	B1	20000207	IT 1998-MI664	19980330
AU 9936024	A	19991018	AU 1999-36024	19990330
PRIORITY APPLN. INFO.:			IT 1998-MI664	A 19980330
			WO 1999-EP2174	W 19990330

AB The present invention refers to indole derivs. suitable to be used as chromogenic compds. in free form or in complexed form with cyclodextrins or with cyclodextrin derivs., usable in the diagnostic, microbiol., mol.-biol. field and similar ones. Thus, 6-bromo-3-indolyl- β -D-glucuronide cyclohexyl ammonium salt was prepared and its chromogenic property of the inclusion complex with β -cyclodextrin are reported.

L5 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:763518 CAPLUS

DOCUMENT NUMBER: 132:122333

TITLE: Catalytic asymmetric dihydroxylation of alkenes induced by polymeric chiral ligands

AUTHOR(S): Petri, Antonella; Pini, Dario; Rapaccini, Silvia; Salvadori, Piero

CORPORATE SOURCE: Centro di Studio del CNR per le Macromolecole

Stereordinate ed Otticamente Attive, Dipartimento di
Chimica e Chimica Industriale, Universita di Pisa,
Pisa, 56126, Italy

SOURCE: Chirality (1999), 11(10), 745-751
CODEN: CHRLEP; ISSN: 0899-0042

PUBLISHER: Wiley-Liss, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 132:122333

AB Chiral monomers bearing different quinidine derivs. were copolymd. with
achiral monomers, producing insol. copolymers, which were used for the
dihydroxylation of styrene as standard substrate. The structure of the
polymeric insol. support was found to be of great importance in determining the
handling, efficiency, and enantioselectivity of the catalyst. Comparison
with a soluble model compound showed that the insol. polymer-bound ligand
approach is very promising for both small- and large-scale synthesis of
optically active vicinal diols.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:528403 CAPLUS

DOCUMENT NUMBER: 131:210357

TITLE: Fungal growth on samples of paper: Inhibition by new
antifungals

AUTHOR(S): Ricelli, A.; Fabbri, A. A.; Fanelli, C.; Menicagli,
R.; Samaritani, S.; Pini, D.; Rapaccini, S. M.
; Salvadori, P.

CORPORATE SOURCE: Univ. Roma "La Sapienza", Rome, 00165, Italy

SOURCE: Restaurator (1999), 20(2), 97-107
CODEN: RESTBP; ISSN: 0034-5806

PUBLISHER: K. G. Saur

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The growth on paper samples of different chemical compns. of some
paper-deteriorating fungi (*Aspergillus terreus*, *Chaetomium elatum*,
Stachybotrys atra and *Penicillium chrysogenum*) is reported. All the
tested samples, stored at high relative humidity, show low resistance to
fungal attack and allow for fungal growth. The fungal growth was
evaluated by ergosterol content. Seven fungicides were tested for control
of the paper-deteriorating fungi. Also tested was the effect of the
sizing agent AKD on the fungi.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:459442 CAPLUS

DOCUMENT NUMBER: 127:136018

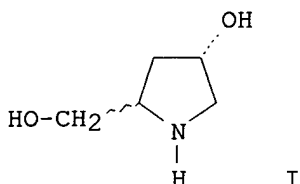
TITLE: 3-Deoxy-D-glycero-pentulose: a convenient starting
material for the synthesis of 4-hydroxyprolinol

AUTHOR(S): Becucci, Teresa; Capozzi, Giuseppe; Menichetti,
Stefano; Nativi, Cristina; Salsini, Liana

CORPORATE SOURCE: Centro di Studio CNR "Chimica e Struttura dei Composti
Eterociclici", Dipartimento di Chimica Organica,
Universita di Firenze, Florence, I-50121, Italy

SOURCE: Gazzetta Chimica Italiana (1997), 127(2), 73-78
CODEN: GCITA9; ISSN: 0016-5603

PUBLISHER: Societa Chimica Italiana
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB 3-Deoxy-D-glycero-pentulose (I), is an uncommon keto sugar which was shown to be an useful starting material for the synthesis of the mono-substituted prolinol II. The simple reactions selected and optimized to transform I into II, make the new synthetic approach an interesting alternative to the already described methods for the proline ring formation.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:78721 CAPLUS

DOCUMENT NUMBER: 124:232847

TITLE: Synthesis of optically active diols using an efficient polymer bound cinchona alkaloid derivative

AUTHOR(S): Petri, Antonella; Pini, Dario; Rapaccini, Silvia; Salvadori, Piero

CORPORATE SOURCE: Dip. Chim. Chim. Ind., Univ. Pisa, Pisa, Italy

SOURCE: Chirality (1995), 7(8), 580-5
CODEN: CHRLEP; ISSN: 0899-0042

PUBLISHER: Wiley-Liss

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 124:232847

AB A new insol. polymer containing a Cinchona alkaloid derivative has been synthesized and used as chiral ligand in the heterogeneous enantioselective dihydroxylation of olefins. It is shown that the enantioselectivity of the optically active diols obtained from both aliphatic and aromatic substrates is always comparable to that observed in the homogeneous phase under the same reaction conditions. A method for evaluating the enantiomeric excesses of the optically active products is also described.

L5 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:631892 CAPLUS

DOCUMENT NUMBER: 115:231892

TITLE: Debromination of 6-substituted 1-bromo-2-methoxynaphthalenes

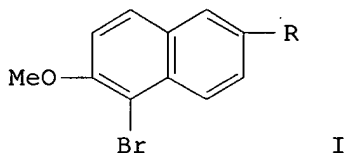
INVENTOR(S): Cannata, Vincenzo; Calzolari, Claudio; Tamerlani, Giancarlo

PATENT ASSIGNEE(S): Alfa Wassermann S.p.A., Italy

SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 440930	A2	19910814	EP 1990-123978	19901212
EP 440930	A3	19920408		
EP 440930	B1	19950322		
EP 440930	B2	20010912		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, LI, LU, NL, SE				
AT 120172	T	19950415	AT 1990-123978	19901212
ES 2070258	T3	19950601	ES 1990-123978	19901212
US 5107013	A	19920421	US 1990-634742	19901227
PRIORITY APPLN. INFO.:			IT 1990-19299	A 19900208
OTHER SOURCE(S):	CASREACT 115:231892; MARPAT 115:231892			
GI				



AB The title compds. (I; R = COMe, COEt, CHMeCO₂H, CHMeCN, etc.) were debrominated by alkyl- or alkoxyarenes in the presence of a Lewis acid. Thus, 8.2 g AlCl₃ and 59 mL toluene were added to a solution of I (R = COMe) (obtained by acetylation of 58 g 1-bromo-2-methoxynaphthalene in CH₂Cl₂) to give 43.5 g 2-acetyl-6-methoxynaphthalene.

L5 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1991:184975 CAPLUS
 DOCUMENT NUMBER: 114:184975
 TITLE: Preparation of N-methyl-2-(3,4-dimethoxyphenyl)ethylamine
 INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo; Zagnoni, Graziano
 PATENT ASSIGNEE(S): Alfa Wassermann S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

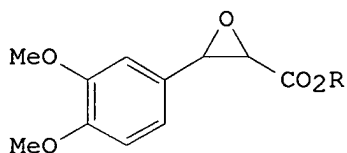
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 389876	A1	19901003	EP 1990-104931	19900315
EP 389876	B1	19930804		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, LI, LU, NL, SE				
ZA 9002003	A	19901228	ZA 1990-2003	19900315
AT 92467	T	19930815	AT 1990-104931	19900315
ES 2058644	T3	19941101	ES 1990-104931	19900315

IL 93762	A	19940731	IL 1990-93762	19900316
CA 2013080	A1	19900930	CA 1990-2013080	19900326
CA 2013080	C	19970722		
DD 293109	A5	19910822	DD 1990-339109	19900327
PL 162349	B1	19931030	PL 1990-284507	19900328
JP 02289539	A	19901129	JP 1990-82896	19900329
JP 06102636	B	19941214		
NO 9001454	A	19901001	NO 1990-1454	19900330
NO 170149	B	19920609		
NO 170149	C	19920916		
AU 9052470	A	19901004	AU 1990-52470	19900330
AU 627561	B2	19920827		
HU 53865	A2	19901228	HU 1990-2025	19900330
HU 209947	B	19941228		
US 5057624	A	19911015	US 1990-502038	19900330
FI 102370	B	19981130	FI 1990-1611	19900330
FI 102370	B1	19981130		

PRIORITY APPLN. INFO.:

IT 1989-19959	A	19890331
EP 1990-104931	A	19900315

OTHER SOURCE(S): MARPAT 114:184975
GI



II

AB 3,4-(MeO)₂C₆H₃CH₂CH₂NHMe (I), an intermediate for the cardiac drug verapamil, is prepared by: (a) Darzens condensation of 3,4-dimethoxybenzaldehyde with XCH₂CO₂R (X = halo, R = C1-6 alkyl); (b) alkaline hydrolysis of the resultant glycidic esters II; (c) acidic decarboxylation of the obtained epoxy acid salts; and (d) reductive amination of the resultant 3,4-dimethoxybenzeneacetaldehyde with MeNH₂ and NaBH₄. In 4 examples using sec-Bu chloroacetate and without isolation of intermediates, I and I.HCl were prepared in 63-76.5% overall yield.

L5 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:477913 CAPLUS

DOCUMENT NUMBER: 113:77913

TITLE: New process for the synthesis of levodopa

INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo; Morotti, Mauro

PATENT ASSIGNEE(S): Ministero dell'Universita' e della Ricerca Scientifica e Tecnologica, Italy

SOURCE: Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

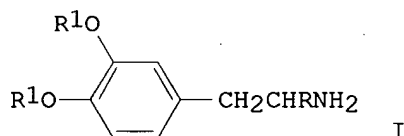
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 357565	A2	19900307	EP 1989-830316	19890707
EP 357565	A3	19910925		
EP 357565	B1	19940914		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4962223	A	19901009	US 1989-375131	19890703
ES 2063837	T3	19950116	ES 1989-830316	19890707
DK 8903424	A	19900113	DK 1989-3424	19890711
DK 172106	B1	19971027		
FI 8903368	A	19900113	FI 1989-3368	19890711
FI 101534	B	19980715		
FI 101534	B1	19980715		
NO 8902861	A	19900115	NO 1989-2861	19890711
NO 174293	B	19940103		
NO 174293	C	19940413		
ZA 8905255	A	19900425	ZA 1989-5255	19890711
HU 51596	A2	19900528	HU 1989-3486	19890711
HU 203318	B	19910729		
DD 284674	A5	19901121	DD 1989-330685	19890711
PL 160103	B1	19930226	PL 1989-280528	19890711
AU 8938057	A	19900125	AU 1989-38057	19890712
AU 615083	B2	19910919		
JP 02231457	A	19900913	JP 1989-180152	19890712
JP 2507069	B2	19960612		
CA 1338672	C	19961022	CA 1989-605420	19890712
PRIORITY APPLN. INFO.:			IT 1988-21322	A 19880712
GI				



AB Levodopa (I; R = CO₂H, R₁ = H) (II), useful in treating Parkinson's disease, is prepared by resolution of the racemic nitrile (I; R = cyano; R₁ = Me) with D-camphorsulfonic acid (III) and subsequent hydrolysis. A solution of III.NH₃ salt and (±)-I.HCl (R = cyano, R₁ = Me) (preparation given) in H₂O containing HCl was heated at 35° and seeded with (D)-I.III (R = cyano, R₁ = Me) (IV) to precipitate 76% IV, which was treated with NH₄OH in CH₂Cl₂ and worked up to give 88% (D)-I (R = cyano, R₁ = Me) (V). Reflux of V.HCl in 48% aqueous HBr, concentration in vacuo, and neutralization with aqueous NH₄OH in H₂O to pH 4.5 gave 82% II.

L5 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:441327 CAPLUS
 DOCUMENT NUMBER: 113:41327
 TITLE: Process for the synthesis of optically active amino acids (levodopa).
 INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo;
 Calzolari, Claudio
 PATENT ASSIGNEE(S): Ministero dell'Universita' e della Ricerca Scientifica
 e Tecnologica, Italy
 SOURCE: Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 351382	A2	19900117	EP 1989-830317	19890707
EP 351382	A3	19911009		
EP 351382	B1	19940921		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5041637	A	19910820	US 1989-374769	19890703
ES 2066880	T3	19950316	ES 1989-830317	19890707
DK 8903423	A	19900113	DK 1989-3423	19890711
DK 172006	B1	19970915		
FI 8903369	A	19900113	FI 1989-3369	19890711
FI 104423	B1	20000131		
NO 8902862	A	19900115	NO 1989-2862	19890711
NO 174885	B	19940418		
NO 174885	C	19940727		
ZA 8905254	A	19900425	ZA 1989-5254	19890711
HU 52036	A2	19900628	HU 1989-3484	19890711
HU 203716	B	19910930		
DD 283997	A5	19901031	DD 1989-330689	19890711
PL 160887	B1	19930430	PL 1989-280529	19890711
AU 8938058	A	19900125	AU 1989-38058	19890712
AU 617197	B2	19911121		
JP 02243663	A	19900927	JP 1989-180151	19890712
JP 07076199	B	19950816		
PRIORITY APPLN. INFO.:			IT 1988-21323	A 19880712
OTHER SOURCE(S):	MARPAT 113:41327			

AB D- Or L-3,4-(RO)R1OC6H3CH2CH(NH2)CO2H (I; R = R1 = C1-6 alkyl) were prepared by reacting D,L-3,4-(RO)R1OC6H3CH2CHR2NHCOR3 [R2 = CN, COR4; R3 = H, C1-6 alkyl, C1-6 alkoxy, aryl(alkyl); R4 = OH, halo, C1-6 alkoxy, O2CR5; R5 = C1-6 alkyl, C1-6 alkoxy] with an optically active alc. R6OH [R6 = C3-12 (un)substituted (cyclo)alkyl], preferably L-menthol, in PhMe, in the presence of an acid. The resulting pair of diastereoisomer esters (D,L + L,D)- or (D,L + L,L)-3,4-(RO)R1OC6H3CH2CH(NHCOR3)CO2R3 (II) were recrystd. to give a single diastereoisomer ester D,D- or L,D- or L,L-II in the presence of a strong base in an anhydrous organic solvent. An acid hydrolysis of the latter gave I. Thus, a mixture of D,L-N-acetyl-3,4-dimethoxyphenylalanine monohydrate (preparation given) was esterified with L-menthol, the reaction mixture containing 84% of the racemic L-menthyl esters was cooled slowly to .apprx.65° under N, seeded with D-N-acetyl-3,4-dimethoxyphenylalanine L-menthyl ester, treated with tert-BuOK, and cooled slowly 12 h. The mixture was neutralized with aqueous AcOH, redissolved at 85°, slowly cooled to 75° and seeded again to give 79% D-N-acetyl-3,4-dimethoxyphenylalanine L-menthyl ester. The latter was refluxed 5 h in a mixture of aqueous AcOH and 48% HBr to give 89.9% L-I (R = R1 = H).

L5 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:612225 CAPLUS

DOCUMENT NUMBER: 113:212225

TITLE: Reactivity of Group 6 cationic complexes. Part 5.
Photochemical water reduction by a chromium(II)

metallorganic system and x-ray crystal and molecular structure of cis- and trans-dicarbonyl(η -pentamethylcyclopentadienyl)bis(trimethyl phosphite)chromium(II) tetrafluoroborate

AUTHOR(S): Salsini, Liana; Pasquali, Marco; Zandomeneghi, Maurizio; Festa, Crescenzo; Leoni, Piero; Braga, Dario; Sabatino, Piera

CORPORATE SOURCE: Dip. Chim. Chim. Ind., Univ. Pisa, Pisa, 56100, Italy

SOURCE: Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1990), (7), 2007-12
CODEN: JCOTBI; ISSN: 0300-9246

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:212225

AB Laser irradiation of 488 nm of a methanol solution of $[\text{Mo}(\text{CO})_3(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}]\text{BF}_4$ gives $[\text{Mo}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}(\text{MeOH})]\text{BF}_4$ as a mixture of cis and trans isomers. Irradiation at 458 nm of CH_2Cl_2 or MeOH solns. of the corresponding chromium derivative $[\text{Cr}(\text{CO})_3(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}]\text{BF}_4$ gives a mixture of cis- and trans- $[\text{Cr}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}_2]\text{BF}_4$ (cis- and trans-I) together with unidentified products. The solid-state structures of both cis- and trans-I were determined by single-crystal x-ray diffraction. I photochem. reduces water, being transformed into the chromium(III) cluster $[\text{Cr}_4(\mu\text{-OH})_6(\eta\text{-OH})_6(\eta\text{-C}_5\text{Me}_5)_4][\text{BF}_4]_2$. Quantum yield data are reported for this process.

L5 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:143624 CAPLUS

DOCUMENT NUMBER: 114:143624

TITLE: The reactivity of chromium and molybdenum formyl complexes towards electrophiles and the crystal and molecular structure of $[\text{Cp}^*\text{Mo}(\text{CO})_2[\text{P}(\text{OMe})_3](\text{OSO}_2\text{CF}_3)]$ [Erratum to document cited in CA113(25):231597t]

AUTHOR(S): Salsini, Liana; Pasquali, Marco; Leoni, Piero; Braga, Dario; Sabatino, Piera

CORPORATE SOURCE: Dip. Chim. Chim. Ind., Univ. Pisa, Pisa, I-56100, Italy

SOURCE: Gazzetta Chimica Italiana (1990), 120(12), 823
CODEN: GCITA9; ISSN: 0016-5603

DOCUMENT TYPE: Journal

LANGUAGE: English

AB An error in Table 2 has been corrected The error was not reflected in the abstract or the index entries.

L5 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:631597 CAPLUS

DOCUMENT NUMBER: 113:231597

TITLE: The reactivity of chromium and molybdenum formyl complexes towards electrophiles and the crystal and molecular structure of $[\text{Cp}^*\text{Mo}(\text{CO})_2[\text{P}(\text{OMe})_3](\text{OSO}_2\text{CF}_3)]$

AUTHOR(S): Salsini, Liana; Pasquali, Marco; Leoni, Piero; Braga, Dario; Sabatino, Piera

CORPORATE SOURCE: Dip. Chim. Chim. Ind., Univ. Pisa, Pisa, I-56100, Italy

SOURCE: Gazzetta Chimica Italiana (1990), 120(7), 465-70
CODEN: GCITA9; ISSN: 0016-5603

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The reaction of equimolar amts. of $\text{Cp}^*\text{M}(\text{CO})_2[\text{P}(\text{OMe})_3](\text{CHO})$ ($\text{Cp}^* = \eta^5\text{-C}_5\text{Me}_5$, $\text{M} = \text{Cr}, \text{Mo}$) and $\text{CF}_3\text{SO}_3\text{CH}_3$ in chloroform gives $[\text{Cp}^*\text{M}(\text{CO})_3[\text{P}(\text{OMe})_3]] + [\text{CF}_3\text{SO}_3]^-$, $[\text{Cp}^*\text{M}(\text{CO})_2[\text{P}(\text{OMe})_3(\text{OSO}_2\text{CF}_3)]]$, AcOMe , and traces of Me_2O and MeOH . When the electrophile is $\text{CF}_3\text{SO}_3\text{H}$, the above formyl complexes react affording different products depending on the metal. The formation of $[\text{Cp}^*\text{Mo}(\text{CO})_3[\text{P}(\text{OMe})_3]] + [\text{CF}_3\text{SO}_3]^-$, $[\text{Cp}^*\text{Mo}(\text{CO})_2[\text{P}(\text{OMe})_3(\text{OSO}_2\text{CF}_3)]]$ and CH_4 was observed in the case of $\text{M} = \text{Mo}$; when $\text{M} = \text{Cr}$, $[\text{Cp}^*\text{Cr}(\text{CO})_3[\text{P}(\text{OMe})_3]] + [\text{CF}_3\text{SO}_3]^-$ and H_2 , instead of CH_4 , form quant. The crystal and mol. structure of $\text{cis-}[\text{Cp}^*\text{Mo}(\text{CO})_2[\text{P}(\text{OMe})_3(\text{OSO}_2\text{CF}_3)]]$ has been determined as a four-legged piano-stool mol., the triflate group being O-coordinated to the metal center.

L5 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:554002 CAPLUS

DOCUMENT NUMBER: 111:154002

TITLE: Reactivity of cationic molybdenum(II) complexes. Part 3. Synthesis of methoxide and carbomethoxide derivatives of η -pentamethylcyclopentadienylmolybdenum(II) and the crystal structure determination of the oxidation product μ -oxobis[dioxo(η -pentamethylcyclopentadienyl)molybdenum(VI)]

AUTHOR(S): Leoni, Piero; Pasquali, Marco; Salsini, Liana; Di Bugno, Cristina; Braga, Dario; Sabatino, Piera

CORPORATE SOURCE: Sc. Norm. Super., Pisa, 56100, Italy

SOURCE: Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1989), (1), 155-9
CODEN: JC DTBI; ISSN: 0300-9246

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:154002

AB The complex $[\text{Mo}(\text{CO})_6(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}]\text{BF}_4$ reacts in MeOH solution with NaOMe to give a mixture of cis- and $\text{trans-}[\text{Mo}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}(\text{CO}_2\text{Me})]$, which decarbonylates at room temperature in various solvents giving a mixture of cis- and $\text{trans-}[\text{Mo}(\text{CO}_2(\eta\text{-C}_5\text{Me}_5)\{\text{P}(\text{OMe})_3\}(\text{OMe}))]$ (I). The complex $[\text{Mo}(\text{CO})_3(\eta\text{-C}_5\text{Me}_5)]\text{BF}_4$ also reacts in MeOH solution with NaOMe affording the insol. complex $[\{\text{Mo}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)(\text{OMe})\}_n]$ which is monomerized by reaction with $\text{P}(\text{OMe})_3$ in refluxing THF affording trans-I . Oxidation of a THF suspension of $[\{\text{Mo}(\text{CO})_2(\eta\text{-C}_5\text{Me}_5)(\text{OMe})\}_n]$ with O gives $[\{\text{Mo}(\eta\text{-C}_5\text{Me}_5)(\text{O})_2\}_2(\mu\text{-O})]$ (II), together with unidentified products. The x-ray crystal structure of II was determined

L5 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:75078 CAPLUS

DOCUMENT NUMBER: 110:75078

TITLE: New process for the synthesis of α -(1-methylethyl)-3,4-dimethoxybenzeneacetonitrile as a verapamil intermediate

INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo; Zagnoni, Garziano

PATENT ASSIGNEE(S): Alfa Wassermann S.p.A., Italy

SOURCE: Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

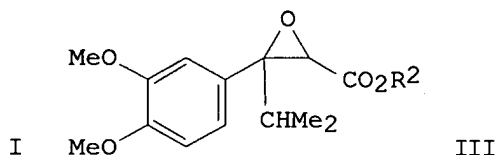
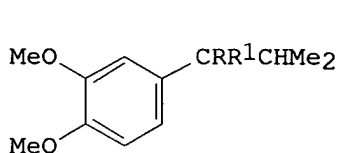
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 285890	A2	19881012	EP 1988-104469	19880321
EP 285890	A3	19900418		
EP 285890	B1	19921119		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 8801961	A	19881228	ZA 1988-1961	19880318
AT 82566	T	19921215	AT 1988-104469	19880321
ES 2006418	T3	19940716	ES 1988-104469	19880321
IL 85836	A	19911121	IL 1988-85836	19880323
DD 273250	A5	19891108	DD 1988-314466	19880406
PL 152661	B1	19910131	PL 1988-271678	19880406
CA 1327048	C	19940215	CA 1988-563389	19880406
DK 8801890	A	19881009	DK 1988-1890	19880407
FI 8801611	A	19881009	FI 1988-1611	19880407
FI 93950	B	19950315		
FI 93950	C	19950626		
NO 8801487	A	19881010	NO 1988-1487	19880407
NO 168032	B	19910930		
NO 168032	C	19920108		
AU 8814375	A	19881013	AU 1988-14375	19880407
AU 605571	B2	19910117		
HU 46297	A2	19881028	HU 1988-1734	19880407
HU 198448	B	19891030		
JP 63267753	A	19881104	JP 1988-87039	19880408
JP 07017592	B	19950301		
US 5097058	A	19920317	US 1990-512909	19900425
PRIORITY APPLN. INFO.:			IT 1987-20019	A 19870408
			EP 1988-104469	A 19880321
			US 1988-172239	B1 19880323
OTHER SOURCE(S):		MARPAT 110:75078		
GI				

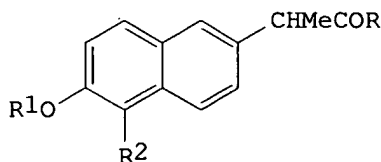


AB The title compound [I; R = H, R₁ = cyano (II)] was prepared as an intermediate for the coronary vasodilator verapamil, starting with a Darzens reaction of I (RR₁ = O) with XCH₂CO₂R₂ (R₂ = C₁-6 alkyl; X = halo) to give phenylglycidate III. KOCMe₃ and ClCO₂CHMeEt were added to I (RR₁ = O) in PhMe at 5°-10°, followed by stirring 4 h and adding H₂O. The organic phase [containing III (R₂ = CHMeEt)] was added to methanolic KOH and the mixture was stirred 3 h at 30°. After addition of H₂O the aqueous phase was separated, acidified with HCl, heated 2 h at 65°, neutralized with aqueous NaOH and extracted with PhMe to give 76.5% I (R = H, R₁ = CHO). This was converted to its oxime in 91.4% yield and the latter in HOAc was treated with Ac₂O and NaOAc and heated 5 h at 80-85° to give 90% III.

L5 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:478693 CAPLUS
 DOCUMENT NUMBER: 105:78693
 TITLE: Optical resolution of racemic mixtures of
 α -naphthyl-propionic acids
 INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo
 PATENT ASSIGNEE(S): Alfa Chemicals Italiana S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 41 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 182279	A1	19860528	EP 1985-114450	19851113
EP 182279	B1	19900228		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
ZA 8508383	A	19860625	ZA 1985-8383	19851031
IL 76952	A	19891215	IL 1985-76952	19851105
US 4622419	A	19861111	US 1985-795516	19851106
AT 50558	T	19900315	AT 1985-114450	19851113
DK 8505374	A	19860523	DK 1985-5374	19851121
FI 8504596	A	19860523	FI 1985-4596	19851121
FI 83074	B	19910215		
FI 83074	C	19910527		
NO 8504659	A	19860523	NO 1985-4659	19851121
NO 162815	B	19891113		
NO 162815	C	19900221		
AU 8550256	A	19860529	AU 1985-50256	19851121
AU 591880	B2	19891221		
JP 61129148	A	19860617	JP 1985-262359	19851121
ES 549118	A1	19860901	ES 1985-549118	19851121
HU 40065	A2	19861128	HU 1985-4447	19851121
HU 204247	B	19911230		
CA 1264765	A1	19900123	CA 1985-495846	19851121
CA 1276177	C2	19901113	CA 1989-597921	19890426
JP 05246967	A	19930924	JP 1991-12280	19910201
PRIORITY APPLN. INFO.:			IT 1984-23689	A 19841122
			EP 1985-114450	A 19851113
			CA 1985-495846	A3 19851121

OTHER SOURCE(S): MARPAT 105:78693
 GI



I

AB Racemic α -naphthylpropionic acids (dl)-I (R = OH; R1 = alkyl; R2 = H, halo, alkoxy, aliphatic acyloxy, etc.) with selected optically active R3NH2 (R3 = substituted CH2CH2OH) to give diastereomeric pairs of amides

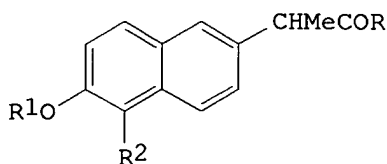
(d,d)- and (l,d)-, or (d,l)- and (l,l)-I (R = NHR3), which are resolved by heating for 30 min followed by crystallization. The single recovered diastereomeric amide is subjected to acid hydrolysis to give (d)- or (l)-I (R = OH), which is optionally subjected to catalytic removal of R2 = halo. Thus, (dl)-I (R = OMe; R1 = Me; R2 = H) and (l)-EtCH(NH2)CH2OH were heated for 8 h at 130° to give 86.8% (d,l)- and (l,l)-I (R = NHCHEtCH2OH; R1 = Me; R2 = H). The amide mixture (50 g) was stirred at 50° in PhMe containing 34 mL 30% NaOMe in MeOH for 1 h, followed by distillation of solvent up to 105°, cooling, addition of water, and crystallization, to give 47 g pure (d,l)-isomer [94% yield from both isomers, i.e. via racemization and conversion of (l,l)-isomer]. Hydrolysis of the (d,l)-amide in aqueous H2SO4 at 98° for 13 h gave 88% yield of pure (d)-I (R = OH; R1 = OMe; R2 = H) (naproxen). (d)-I (R = OH; R1 = OMe; R2 = Br) was similarly prepared with 93.5% yield in the resolution step.

L5 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:615015 CAPLUS
DOCUMENT NUMBER: 103:215015
TITLE: Optical resolution of racemic mixtures of
α-naphthylpropionic acids
INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo
PATENT ASSIGNEE(S): Alfa Chemicals Italiana S.p.A., Italy
SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 143371	A1	19850605	EP 1984-113430	19841107
EP 143371	B1	19880224		
EP 143371	B2	19951102		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
IL 73416	A	19900917	IL 1984-73416	19841104
ZA 8408639	A	19850626	ZA 1984-8639	19841105
US 4661628	A	19870428	US 1984-668301	19841105
AT 32601	T	19880315	AT 1984-113430	19841107
AU 8435412	A	19850606	AU 1984-35412	19841114
AU 569351	B2	19880128		
CA 1226296	A1	19870901	CA 1984-467903	19841115
DK 8405543	A	19850524	DK 1984-5543	19841122
DK 166271	B	19930329		
DK 166271	C	19930816		
FI 8404592	A	19850524	FI 1984-4592	19841122
FI 83073	B	19910215		
FI 83073	C	19910527		
NO 8404647	A	19850524	NO 1984-4647	19841122
NO 160359	B	19890102		
NO 160359	C	19901108		
JP 60132930	A	19850716	JP 1984-247874	19841122
JP 06010155	B	19940209		
HU 36078	A2	19850828	HU 1984-4337	19841122
HU 196582	B	19881228		
ES 537876	A1	19860116	ES 1984-537876	19841122

HU 199777 B 19900328 HU 1988-5013 19841122
 PRIORITY APPLN. INFO.: IT 1983-3632 A 19831123
 EP 1984-113430 A 19841107
 OTHER SOURCE(S): MARPAT 103:215015
 GI

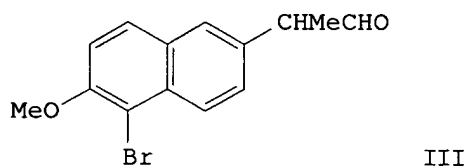
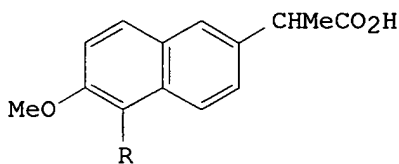


AB The title compds. [(dl)-I; R = OH; R1 = alkyl; R2 = H, halogen, SH, alkylthio, PhS, PhCH2S, alkylsulfonyl, PhSO2, halobenzenesulfonyl, alkylbenzenesulfonyl] were optically resolved by reacting (dl)-I [R = OH, alkanoyloxy, sulfonyloxy, alkylsulfonyloxy, PhSO3, 4-MeC6H4SO3, 2-imidazolylcarbonyloxy, halogen, (un)substituted alkoxy, PhCO2] with optically active R3NH2 (R3 = substituted CH2CH2OH) to give I (R = NHR3), resolving the diastereomeric amides by crystallization in the optional presence of strong alkali, and hydrolyzing the separated amide to give I (R = OH). Addnl., for diastereomeric pairs of I (R = NHR3; R2 ≠ H), catalytic reduction to I (R2 = H) may be accompanied by separation of a single diastereomeric amide. Thus, (dl)-I (R = Cl, R1 = Me, R2 = H) reacted with (d)-H2NCHEtCH2OH to give 87% (d,d)- and (l,d)-I (R = NHCHEtCH2OH, R1 = Me, R2 = H). Crystallization of the amides from PhMe-MeOH-MeONa gave 89% of the (d,d)-isomer (II), which was hydrolyzed by aqueous HCl to give 94% naproxen [(d)-I; R = OH, R1 = Me, R2 = H]. II was also obtained in 43% yield by reduction of (d,d)- and (l,d)-I (R = NHCHEtCH2OH, R1 = Me, R2 = Br) with Ni-N2H4 in aqueous NaOH-MeOCH2CH2OH, followed by crystallization of the hot-filtered reaction mixture

L5 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1983:53448 CAPLUS
 DOCUMENT NUMBER: 98:53448
 TITLE: d-2-(6-Methoxy-2-naphthyl)-propionic acid
 INVENTOR(S): Cannata, Vincenzo; Tamerlani, Giancarlo
 PATENT ASSIGNEE(S): Alfa Chemicals Italiana S.p.A., Italy
 SOURCE: Ger. Offen., 21 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3212170	A1	19821021	DE 1982-3212170	19820401
DE 3212170	C2	19890302		
IL 65298	A	19850228	IL 1982-65298	19820321
ZA 8202145	A	19830223	ZA 1982-2145	19820329
US 4423244	A	19831227	US 1982-362679	19820329

BE 892689	A1	19820930	BE 1982-59651	19820330
NL 8201307	A	19821101	NL 1982-1307	19820330
DK 8201474	A	19821002	DK 1982-1474	19820331
DK 157076	B	19891106		
DK 157076	C	19900409		
FI 8201121	A	19821002	FI 1982-1121	19820331
FI 78455	B	19890428		
FI 78455	C	19890810		
SE 8202050	A	19821002	SE 1982-2050	19820331
SE 453492	B	19880208		
SE 453492	C	19940915		
NO 8201088	A	19821004	NO 1982-1088	19820331
NO 157733	B	19880201		
JP 57176925	A	19821030	JP 1982-54723	19820331
JP 02031704	B	19900716		
FR 2504918	A1	19821105	FR 1982-5530	19820331
FR 2504918	B1	19850614		
HU 26761	A2	19830928	HU 1982-994	19820331
HU 186852	B	19851028		
CA 1190939	A1	19850723	CA 1982-400096	19820331
CH 651289	A5	19850913	CH 1982-1987	19820331
AT 8201270	A	19890915	AT 1982-1270	19820331
AT 390253	B	19900410		
GB 2098981	A	19821201	GB 1982-9661	19820401
GB 2098981	B	19841024		
SE 8501744	A	19850409	SE 1985-1744	19850409
SE 466199	B	19920113		
SE 466199	C	19920521		
US 4423244	B1	19870728	US 1986-90001017	19860530
DK 8902565	A	19890526	DK 1989-2565	19890526
PRIORITY APPLN. INFO.:			IT 1981-3385	A 19810401
			US 1982-362679	A 19820329
OTHER SOURCE(S):	CASREACT 98:53448			
GI				



AB (+)-I (R = H) was prepared by resolution of (±)-I (R = halo) with N-methyl-D-glucamine (II), followed by hydrogenolysis. Thus, 1-bromo-2-methoxynaphthalene was acetylated with AcCl-AlCl₃, and the product treated with ClCH₂CO₂Et, then hydrolyzed to give III, oximation of which, followed by hydrolysis, gave (±)-I (R = Br), which was resolved with II and the (+)-acid hydrogenolyzed with NaBH₄-Pd/C to give (+)-I (R = H).

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

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TOTAL

SESSION

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-16.38	-16.38

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LAST RELOADED: Nov 23, 2007 (20071123/UP).

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